

2002
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates
where available

Special Locality Report
139
Town of Wytheville

Prepared By
Virginia Department of Transportation
Mobility Management Division

In Cooperation With
U.S. Department of Transportation
Federal Highway Administration

Virginia Department of Transportation
Mobility Management Division
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled "Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes" includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled "Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99".

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people at VDOT Mobility Management's Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

Publication Notes

Parallel Roads

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a “Combined Traffic Estimates for Parallel Roadways on this Route” or “Combined Traffic” identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate “NA” for not available.

VDOT’s traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating “NA” for not available. It is the intention of the VDOT’s Mobility Management Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate “NA” for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

Route: The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

Length: Length of the traffic segment in miles.

AADT: Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

4Tire: Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

Bus: Percentage of the traffic volume made up of busses.

2Axle Truck: Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

3+Axle Truck: Percentage of the traffic volume made up of single unit trucks with three or more axles.

1Trail Truck: Percentage of the traffic volume made up of units with a single trailer.

2Trail Truck: Percentage of the traffic volume made up of units with more than one trailer.

QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

Peak Hour: The estimate of the traffic volume for the 30th highest traffic volume occurring in a one-year period divided by the AADT for the same one-year period.

QK: Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During 12 Months of Continuous Traffic Data
- B Factor based on 30th Highest Hour Observed During Less than 12 Months of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of 30th Highest Hour
- N Peak Hour Factor of Similar Neighboring Traffic Link
- O Provided by External Source

Dir Factor: The estimate of the portion of the traffic volume traveling in the peak direction during the Peak Hour..

AAWDT: Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

QW: Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

Year: Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

Route Shield Legend

Route Systems

North 	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
	US Route	
	Virginia State Route	
	Secondary Route	


















Special Routes

Bus 	Bus - Business Route
	Bypas - Bypass Route
	Truck - Truck Route
ALT 	ALT - Alternate Route
	Wve - Wye Route connector
	P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.
	The VDOT Maintenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

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Route		Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year
							2Axle	3+Axle	1Trail	2Trail							
Town of Wytheville																	
11	W Lee Hwy	0.29	4600	G	From:	WCL Wytheville					C	0.103	F	0.671	4800	G	2002
					To:	94%	1%	3%	1%	1%							
11	12th St	2.03	8000	G	From:	24th St					F	0.097	F	0.54	8400	G	2002
					To:	94%	1%	3%	1%	1%							
11	Main St	0.31	8400	G	From:	US 21 Main St					F	0.086	F	0.613	8800	G	2002
					To:	94%	1%	3%	1%	1%							
11	Main St	0.33	9800	G	From:	4th St					F	0.084	F	0.524	10000	G	2002
					To:	94%	1%	3%	1%	1%							
11	Main St	0.20	9300	G	From:	5th St					F	0.085	F	0.544	9700	G	2002
					To:	93%	1%	2%	4%	1%							
11	E Main St	0.50	15000	G	From:	11th St					C	0.081	F	0.598	16000	G	2002
					To:	93%	1%	2%	4%	1%							
11		0.78	10000	G	From:	Liberty St					F	0.086	F	0.539	11000	G	2002
					To:	93%	1%	2%	4%	1%							
11		0.08	10000	N	From:	139-3 Lithia Rd					N	0.086	N	0.539	11000	N	2002
					To:	93%	1%	2%	4%	1%							
11	81	0.96	50000	G	From:	I-81					F	0.101	A	0.501	46000	G	
					To:	See I-81 for directional traffic volume estimates for this segment.											
21	Grayson Street	0.93	4800	G	From:	NCL Wytheville					C	0.098	F	0.654	5000	G	2002
					To:	94%	0%	3%	1%	2%							
21	Main Sreet	0.49	6500	G	From:	SCL Wytheville					F	0.090	F	0.704	6800	G	2002
					To:	94%	0%	3%	1%	2%							
21	11 Main St	0.31	8400	G	From:	Main Street					F	0.086	F	0.613	8800	G	2002
					To:	94%	1%	3%	1%	1%							
21	4th St	0.06	7300	G	From:	Grayson St					F	0.095	F	0.533	7600	G	2002
					To:	94%	1%	3%	1%	0%							
21	4th St	0.47	11000	G	From:	US 11 12Th St					F	0.09	F	0.564	11000	G	2002
					To:	92%	1%	2%	3%	2%							
21	4th St	0.40	11000	G	From:	MAIN ST					C	0.095	F	0.567	11000	G	2002
					To:	92%	1%	2%	3%	2%							
21	4th St	0.12	11000	G	From:	Monroe Street					F	0.089	F	0.564	11000	G	2002
					To:	92%	1%	2%	3%	2%							
52	81	0.93	50000	G	From:	Ridge Rd					F	NA		46000	G		
					To:	92%	1%	2%	3%	2%							0%
52	81	1.29	45000	G	From:	W Ridge Rd					F	NA		42000	G		
					To:	92%	1%	2%	3%	2%							0%
52	81	1.99	26000	G	From:	Tazewell St					F	NA		26000	G		
					To:	92%	1%	2%	3%	2%							0%
52		1.89	2400	G	From:	I-81; US 52					C	0.095	F	0.651	2500	G	2002
					To:	97%	0%	1%	1%	1%							
North South 77 81		0.93	25000	A	From:	NCL Wytheville					A	0.117	A	23000	A	2002	
					To:	70%	1%	3%	0%	24%							2%
			50000	G	From:	HOLSTON I-81 SB RAMP					F	NA		46000	G		
					To:	68%	1%	2%	0%	26%							2%

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							2Axle	3+Axle	1Trail	2Trail							
Town of Wytheville																	
North  				From:	US 11												
		1.29	22000	G	70%	1%	3%	0%	24%	2%	F	0.067	F		21000	G	2002
	Combined Traffic:		45000	G	68%	1%	2%	0%	26%	2%	F	NA			42000	G	
North 				To: From:	I-81 Wytheville												
		0.59	14000	G	74%	1%	2%	0%	21%	1%	F	0.072	F		13000	G	2002
	Combined Traffic:		28000	G	75%	1%	2%	0%	21%	1%	F	0.072	F		25000	G	
North 				To: From:	Peppers Ferry Rd												
		0.23	14000	G	74%	1%	2%	0%	21%	1%	F	0.077	F		12000	G	2002
	Combined Traffic:		28000	G	75%	1%	2%	0%	21%	1%	F	0.077	F		25000	G	
South  North 				From:	NCL Wytheville												
		0.96	25000	G	66%	1%	2%	1%	29%	2%	F	0.106	A		23000	G	2002
	Combined Traffic:		50000	G	68%	1%	2%	0%	26%	2%	F	0.101	A	0.501	46000	G	
South  North 				To: From:	US 11												
		0.82	22000	G	66%	1%	2%	1%	29%	2%	F	0.065	F		21000	G	2002
	Combined Traffic:		45000	G	68%	1%	2%	0%	26%	2%	F	0.065	F		42000	G	
South 				To: From:	I-81 Wytheville												
		1.15	14000	G	75%	1%	2%	0%	20%	1%	F	0.069	F		13000	G	2002
	Combined Traffic:		28000	G	75%	1%	2%	0%	21%	1%	F	NA		25000	G		
North 				To: From:	NCL Wytheville												
		2.03	13000	G	74%	1%	2%	1%	22%	1%	F	0.067	F		13000	G	2002
	Combined Traffic:		25000	G	75%	1%	2%	1%	20%	1%	F	0.067	F		25000	G	
North 				To: From:	US 21; US 52												
		2.27	13000	G	74%	1%	2%	1%	22%	1%	F	0.069	F		13000	G	2002
	Combined Traffic:		26000	G	75%	1%	2%	1%	20%	1%	F	0.069	F		26000	G	
North 				To: From:	I-77 Wytheville												
		0.82	22000	G	66%	1%	2%	1%	29%	2%	F	0.065	F		21000	G	2002
	Combined Traffic:		45000	G	68%	1%	2%	0%	26%	2%	F	0.065	F		42000	G	
North 				To: From:	US 11												
		0.96	25000	G	66%	1%	2%	1%	29%	2%	F	0.106	A		23000	G	2002
	Combined Traffic:		50000	G	68%	1%	2%	0%	26%	2%	F	0.101	A	0.501	46000	G	
South 				To: From:	NCL Wytheville												
		2.71	12000	G	77%	1%	2%	1%	19%	1%	F	0.073	F		12000	G	2002
	Combined Traffic:		25000	G	75%	1%	2%	1%	20%	1%	F	0.067	F		25000	G	
South 				To: From:	US 21; US 52												
		1.99	13000	G	77%	1%	2%	1%	19%	1%	F	0.069	F		13000	G	2002
	Combined Traffic:		26000	G	75%	1%	2%	1%	20%	1%	F	NA		26000	G		
South 				To: From:	I-77 Wytheville												
		1.29	22000	G	70%	1%	3%	0%	24%	2%	F	0.067	F		21000	G	2002
	Combined Traffic:		45000	G	68%	1%	2%	0%	26%	2%	F	NA		42000	G		
South 				To: From:	US 11												
		0.93	25000	A	70%	1%	3%	0%	24%	2%	A	0.117	A		23000	A	2002
	Combined Traffic:		50000	G	68%	1%	2%	0%	26%	2%	F	NA		46000	G		
1 Fairview Rd				To: From:	NCL Wytheville												
		1.19	1700	G	98%	0%	2%	0%	0%	0%	F	0.095	F	0.516	1700	G	2002

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						2Axle	3+Axle	1Trail	2Trail							
Town of Wytheville																
(2) Holston Rd	1.24	1500	G	From: US 52 4Th St	98%	0%	2%	0%	0%	F	0.096	F	0.534	1600	G	2002
				To: Cove Rd												
(3) Lithia Rd	0.48	1400	G	From: US 11 Main St	98%	0%	2%	0%	0%	F	0.102	F	0.6	1500	G	2002
				To: Nye Rd												
(4) Nye Rd	1.25	1000	G	From: .25 Mi. S Peppers Ferry Rd	98%	0%	2%	0%	0%	F	0.11	F	0.706	1100	G	2002
				To: Peppers Ferry Rd												
(5250) Old Stage Rd	1.63	1400	G	From: WCL Wytheville	98%	0%	2%	0%	0%	F	0.090	F	0.677	1400	G	2002
				To: US 21 Grayson St												
(5252) W Ridge Rd	0.14	640	G	From: Petunia Rd	98%	0%	2%	0%	0%	F	0.101	F	0.529	680	G	2002
				To: Old WCL Wytheville												
(5252) W Ridge St	1.55	1300	G	From: 18Th St	98%	0%	2%	0%	0%	C	0.105	F	0.551	1400	G	2002
				To: US 21 4Th St												
(5252) W Ridge Rd	0.49	1600	G	From: US 11 Main St	98%	0%	2%	0%	0%	F	0.096	F	0.538	1700	G	2002
				To: Withers St												
(5253) Withers Rd	0.25	3700	G	From: 11th St	97%	1%	1%	1%	0%	F	0.098	F	0.582	3900	G	2002
				To: US 11 Main St												
(5253) 11th St	0.31	2700	G	From: US 11 Main St	97%	1%	1%	1%	0%	C	0.127	F	0.549	2800	G	2002
				To: Monroe St												
(5253) 11th St	0.06	7800	G	From: Fisher Rd	97%	1%	1%	1%	0%	F	0.095	F	0.535	8200	G	2002
				To: North St												
(5253) 11Th-North St	0.13	2100	G	From: Pine St	97%	1%	1%	1%	0%	F	0.104	F	0.559	2200	G	2002
				To: Peppers Ferry Rd												
(5253) Fisher Rd	0.14	1300	G	From: Holston Rd	97%	1%	1%	1%	0%	F	0.102	F	0.683	1400	G	2002
				To: NCL Wytheville												
(5255) Cove Rd	0.52	2600	G	From: .30 Mi. N Holston Rd	98%	0%	1%	1%	0%	C	0.094	F	0.531	2700	G	2002
				To: NCL Wytheville												
(5255) Cove Rd	0.32	1200	G	From: 12Th St	98%	0%	1%	1%	0%	F	0.097	F	0.512	1100	G	2002
				To: 4Th St												
(5255) Cove Rd	0.29	1000	G	From: 11Th St	98%	0%	1%	1%	0%	F	0.094	F	0.550	1300	G	2002
				To: Main St												
(5256) Spring St	0.30	1800	G	From: Monroe St	98%	0%	1%	1%	0%	F	0.106	F	0.617	1600	G	2002
				To: 12Th St US 11												
(5256) Spring St	0.54	2300	G	From: 4Th St US 21	98%	0%	1%	1%	0%	F	0.120	F	0.613	2400	G	2002
				To: US 21 4Th St												
(5257) Tazewell St	0.06	1500	G	From: 1St Street	98%	0%	1%	1%	0%	F	0.106	F	0.617	1600	G	2002
				To: N 1St Street												
(5258) Monroe St	0.31	3500	G	From: N 5Th St	93%	0%	1%	5%	1%	F	0.099	F	0.515	3700	G	2002
				To: N 5Th St												
(5258) Monroe St	0.19	6600	G	From: N 5Th St	93%	0%	1%	5%	1%	F	0.098	F	0.555	6900	G	2002
				To: N 5Th St												
(5258) Monroe St	0.15	6100	G	From: N 5Th St	93%	0%	1%	5%	1%	F	0.100	F	0.606	6400	G	2002
				To: N 5Th St												

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							2Axle	3+Axle	1Trail	2Trail							
Town of Wytheville																	
(5258)	Monroe St	0.19	5900	G	From	5Th St					F	0.098	F	0.607	6200	G	2002
					To												
(5258)	Peppers Ferry Rd	0.46	7200	G	From	11Th St					C	0.094	F	0.504	7600	G	2002
					To												
(5258)	Peppers Ferry Rd	0.67	6200	G	From	Cove Rd					F	0.096	F	0.505	6400	G	2002
					To												
(5258)	Peppers Ferry Rd	0.19	1500	G	From	Ramp to I-77					F	0.102	F	0.596	1500	G	2002
					To												
(5258)	Pepers Ferry Rd	0.47	NA	From	ECL Wytheville												
					JB-139 ECL Wytheville												
				To	98-610 JB-139 ECL Wytheville												
(5260)	12th St	0.29	2800	G	From	Main St US 11					F	0.109	F	0.602	3000	G	2002
					To												
(5260)	Union St	0.30	2800	G	From	12Th St					F	0.111	F	0.553	2900	G	2002
					To												
(5260)	Withers St	0.56	3600	G	From	4Th St					C	0.103	F	0.546	3800	G	2002
					To												
(5261)	4th St	0.31	2400	G	From	Marshall St					F	0.116	F	0.567	2600	G	2002
					To												
(5261)	4th St	0.30	2900	G	From	Withers St					F	0.098	F	0.522	3100	G	2002
					To												
(5262)	Marshall St	0.91	1900	G	From	4Th St					C	0.098	F	0.577	2000	G	2002
					To												
(5264)	Pine St	0.38	1900	G	From	US 11 Lee Hwy					C	0.103	F	0.57	2000	G	2002
					To												
(5264)	Pine St	0.44	360	G	From	US 21 4Th St					F	0.114	F	0.517	380	G	2002
					To												
	16th St		150	G	From	Spring St						0.108	F		160	G	2002
					To												
	Church St		1000	G	From	Washington St						0.116	F		1100	G	2002
					To												
	Mountain View Dr		710	G	From	11Th St						0.097	F		750	G	2002
					To												
	Spiller St		150	G	From	5Th St						0.121	F		160	G	2002
					To												